

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P936969

Luminaire Tested: SQ4-FB-050U-125D-935-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936969
REPORT IS A COMBINATION OF REPORTS P933464 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-050U-125D-935-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

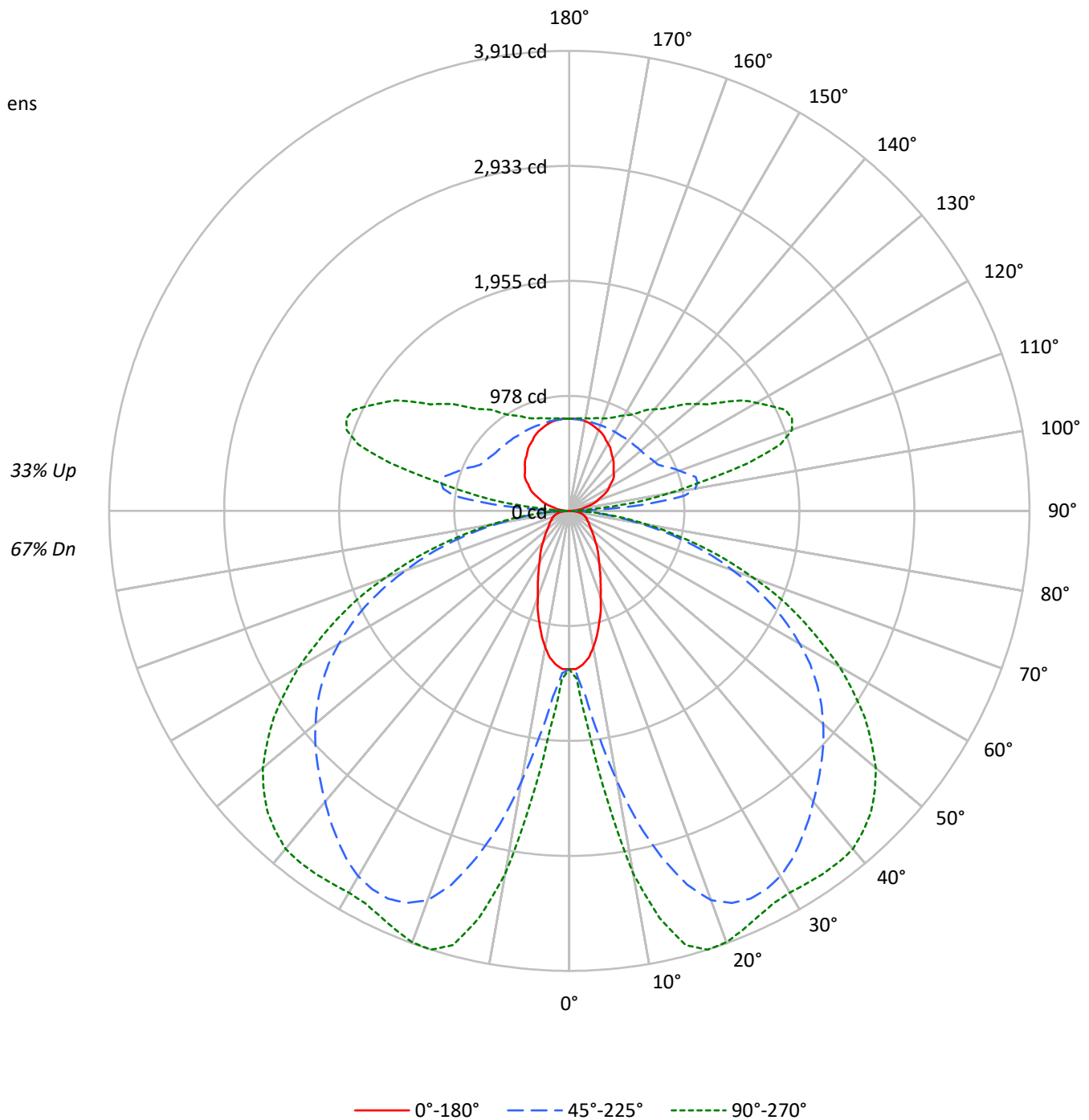
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15497.9 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 168
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P936969
CATALOG NUMBER: SQ4-FB-050U-125D-935-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





TEST NUMBER: P936969

CATALOG NUMBER: SQ4-FB-050U-125D-935-1D-UNV-STD-W-12

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 111 | 111 | 111 | 111 | 105 | 105 | 105 | 105 | 93 | 93 | 93 | 82 | 82 | 82 | 72 | 72 | 72 | 67 | 67 | 67 | 67 |
| 1 | 101 | 96 | 92 | 88 | 95 | 91 | 87 | 83 | 80 | 78 | 75 | 71 | 69 | 67 | 62 | 61 | 59 | 55 | 55 | 55 | 55 |
| 2 | 91 | 83 | 76 | 71 | 86 | 78 | 72 | 67 | 70 | 65 | 61 | 61 | 58 | 55 | 54 | 51 | 49 | 45 | 45 | 45 | 45 |
| 3 | 83 | 72 | 64 | 58 | 77 | 68 | 61 | 55 | 61 | 55 | 50 | 54 | 49 | 45 | 47 | 44 | 41 | 37 | 37 | 37 | 37 |
| 4 | 75 | 64 | 55 | 48 | 70 | 60 | 52 | 46 | 53 | 47 | 42 | 47 | 42 | 38 | 42 | 38 | 34 | 31 | 31 | 31 | 31 |
| 5 | 69 | 56 | 47 | 41 | 64 | 53 | 45 | 39 | 47 | 41 | 36 | 42 | 37 | 32 | 37 | 33 | 29 | 26 | 26 | 26 | 26 |
| 6 | 63 | 50 | 41 | 35 | 59 | 47 | 39 | 34 | 42 | 36 | 31 | 38 | 32 | 28 | 33 | 29 | 25 | 23 | 23 | 23 | 23 |
| 7 | 58 | 45 | 36 | 30 | 55 | 43 | 35 | 29 | 38 | 32 | 27 | 34 | 29 | 24 | 30 | 26 | 22 | 20 | 20 | 20 | 20 |
| 8 | 54 | 41 | 32 | 27 | 51 | 39 | 31 | 26 | 35 | 28 | 24 | 31 | 26 | 22 | 27 | 23 | 20 | 17 | 17 | 17 | 17 |
| 9 | 50 | 37 | 29 | 24 | 47 | 35 | 28 | 23 | 32 | 25 | 21 | 28 | 23 | 19 | 25 | 21 | 17 | 15 | 15 | 15 | 15 |
| 10 | 47 | 34 | 26 | 21 | 44 | 32 | 25 | 20 | 29 | 23 | 19 | 26 | 21 | 17 | 23 | 19 | 16 | 14 | 14 | 14 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 4161 | 4161 | 4161 |
| 5° | 4066 | 4810 | 5593 |
| 10° | 3690 | 7013 | 9272 |
| 15° | 3137 | 9165 | 11196 |
| 20° | 2555 | 10623 | 11410 |
| 25° | 2132 | 11120 | 11178 |
| 30° | 1799 | 11193 | 11157 |
| 35° | 1591 | 11010 | 11445 |
| 40° | 1387 | 10771 | 11744 |
| 45° | 1257 | 10598 | 11790 |
| 50° | 1154 | 10442 | 11595 |
| 55° | 1106 | 10213 | 11081 |
| 60° | 1134 | 9769 | 10269 |
| 65° | 1182 | 9092 | 9154 |
| 70° | 1262 | 7934 | 7733 |
| 75° | 1404 | 6475 | 6035 |
| 80° | 1544 | 4496 | 4067 |
| 85° | 1403 | 2389 | 2081 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 11790 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 174.0 | 1.1 |
| 10°-20° | 771.2 | 5.0 |
| 20°-30° | 1348.9 | 8.7 |
| 30°-40° | 1736.5 | 11.2 |
| 40°-50° | 1939.6 | 12.5 |
| 50°-60° | 1857.7 | 12.0 |
| 60°-70° | 1472.2 | 9.5 |
| 70°-80° | 865.7 | 5.6 |
| 80°-90° | 243.5 | 1.6 |
| 90°-100° | 382.6 | 2.5 |
| 100°-110° | 1005.9 | 6.5 |
| 110°-120° | 1043.0 | 6.7 |
| 120°-130° | 836.7 | 5.4 |
| 130°-140° | 656.5 | 4.2 |
| 140°-150° | 503.9 | 3.3 |
| 150°-160° | 362.9 | 2.3 |
| 160°-170° | 222.0 | 1.4 |
| 170°-180° | 75.0 | 0.5 |
| 0°-30° | 2294.1 | 14.8 |
| 0°-40° | 4030.6 | 26.0 |
| 0°-60° | 7827.9 | 50.5 |
| 0°-90° | 10409.3 | 67.2 |
| 90°-120° | 2431.6 | 15.7 |
| 90°-150° | 4428.6 | 28.6 |
| 90°-180° | 5089.0 | 32.8 |
| 0°-180° | 15497.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1345 | 1345 | 1345 | 1345 | 1345 | |
| 5° | 1310 | 1406 | 1583 | 1791 | 1856 | 121 |
| 15° | 982 | 1812 | 3054 | 3702 | 3819 | 273 |
| 25° | 627 | 2054 | 3638 | 3798 | 3802 | 289 |
| 35° | 424 | 1964 | 3426 | 3620 | 3763 | 265 |
| 45° | 290 | 1566 | 3028 | 3469 | 3625 | 224 |
| 55° | 208 | 995 | 2569 | 2984 | 3067 | 189 |
| 65° | 164 | 528 | 1908 | 2145 | 2176 | 163 |
| 75° | 121 | 324 | 1047 | 1150 | 1155 | 127 |
| 85° | 43 | 100 | 260 | 286 | 290 | 46 |
| 90° | 5 | 15 | 40 | 20 | 20 | 7 |
| 95° | 51 | 198 | 659 | 340 | 231 | 56 |
| 105° | 181 | 274 | 1112 | 1688 | 1575 | 192 |
| 115° | 322 | 391 | 891 | 1777 | 2028 | 318 |
| 125° | 448 | 502 | 810 | 1369 | 1615 | 398 |
| 135° | 534 | 587 | 785 | 1105 | 1253 | 413 |
| 145° | 619 | 658 | 775 | 943 | 1017 | 388 |
| 155° | 700 | 719 | 775 | 851 | 876 | 321 |
| 165° | 755 | 765 | 775 | 806 | 816 | 213 |
| 175° | 785 | 785 | 780 | 790 | 790 | 75 |
| 180° | 785 | 785 | 785 | 785 | 785 | |



TEST NUMBER: P936969

CATALOG NUMBER: SQ4-FB-050U-125D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1345.2 | 1345.2 | 1345.2 | 1345.2 | 1345.2 | 1345.2 | 1345.2 | 1345.2 | 1345.2 | 1345.2 | 1345.2 |
| 2.5° | 1345.2 | 1345.2 | 1353.8 | 1358.2 | 1366.8 | 1371.1 | 1379.8 | 1388.4 | 1414.4 | 1418.8 | 1427.4 |
| 5° | 1310.5 | 1327.8 | 1384.1 | 1405.7 | 1466.3 | 1548.5 | 1583.1 | 1639.3 | 1756.1 | 1790.7 | 1812.3 |
| 7.5° | 1258.7 | 1297.6 | 1436.0 | 1470.6 | 1622.0 | 1838.3 | 1929.1 | 2050.3 | 2236.2 | 2327.1 | 2400.6 |
| 10° | 1176.5 | 1258.7 | 1505.2 | 1587.4 | 1833.9 | 2162.6 | 2331.3 | 2500.0 | 2781.2 | 2906.6 | 2954.2 |
| 12.5° | 1085.7 | 1219.7 | 1578.8 | 1691.2 | 2045.9 | 2526.0 | 2729.3 | 2915.3 | 3235.4 | 3404.1 | 3430.0 |
| 15° | 981.8 | 1163.5 | 1647.9 | 1812.3 | 2270.8 | 2828.8 | 3053.7 | 3282.9 | 3581.4 | 3702.5 | 3732.8 |
| 17.5° | 891.0 | 1120.3 | 1712.9 | 1885.8 | 2443.8 | 3101.3 | 3330.6 | 3520.8 | 3763.0 | 3845.2 | 3866.9 |
| 20° | 778.6 | 1051.0 | 1756.1 | 1981.0 | 2625.5 | 3300.2 | 3520.8 | 3667.9 | 3832.3 | 3884.2 | 3892.8 |
| 22.5° | 696.3 | 977.5 | 1782.0 | 2015.6 | 2746.6 | 3421.4 | 3607.4 | 3724.1 | 3836.6 | 3853.9 | 3858.2 |
| 25° | 627.2 | 895.4 | 1777.7 | 2054.5 | 2850.4 | 3494.9 | 3637.6 | 3724.1 | 3789.0 | 3797.6 | 3797.6 |
| 27.5° | 562.3 | 804.5 | 1760.4 | 2063.2 | 2928.2 | 3512.2 | 3624.7 | 3685.2 | 3715.5 | 3732.8 | 3732.8 |
| 30° | 506.1 | 718.0 | 1717.1 | 2045.9 | 2962.8 | 3494.9 | 3585.7 | 3616.0 | 3646.3 | 3672.2 | 3685.2 |
| 32.5° | 462.8 | 635.8 | 1652.3 | 2011.3 | 2967.2 | 3451.6 | 3516.5 | 3533.8 | 3577.0 | 3637.6 | 3659.3 |
| 35° | 423.9 | 553.6 | 1578.8 | 1963.7 | 2941.3 | 3382.4 | 3425.6 | 3443.0 | 3529.5 | 3620.3 | 3650.6 |
| 37.5° | 384.9 | 493.1 | 1483.6 | 1881.6 | 2902.3 | 3300.2 | 3330.6 | 3360.8 | 3494.9 | 3603.0 | 3637.6 |
| 40° | 346.0 | 441.2 | 1371.1 | 1790.7 | 2841.8 | 3200.8 | 3226.7 | 3274.3 | 3451.6 | 3577.0 | 3611.6 |
| 42.5° | 315.8 | 398.0 | 1250.1 | 1695.6 | 2763.9 | 3088.3 | 3127.3 | 3196.4 | 3399.7 | 3533.8 | 3572.8 |
| 45° | 289.8 | 354.7 | 1120.3 | 1565.8 | 2664.4 | 2971.5 | 3027.8 | 3122.9 | 3339.2 | 3468.9 | 3503.5 |
| 47.5° | 263.9 | 324.4 | 986.2 | 1431.7 | 2556.3 | 2854.7 | 2928.2 | 3036.4 | 3257.0 | 3382.4 | 3412.7 |
| 50° | 242.2 | 294.1 | 852.1 | 1289.0 | 2439.5 | 2729.3 | 2815.8 | 2928.2 | 3153.2 | 3270.0 | 3308.9 |
| 52.5° | 224.9 | 268.2 | 726.7 | 1146.2 | 2305.4 | 2599.5 | 2699.1 | 2815.8 | 3027.8 | 3140.2 | 3166.1 |
| 55° | 207.6 | 246.6 | 618.6 | 994.8 | 2167.0 | 2461.1 | 2569.3 | 2681.8 | 2889.3 | 2984.5 | 3001.8 |
| 57.5° | 198.9 | 229.3 | 527.7 | 852.1 | 2019.9 | 2305.4 | 2426.5 | 2530.4 | 2725.0 | 2798.5 | 2815.8 |
| 60° | 186.0 | 216.2 | 458.5 | 731.0 | 1859.9 | 2158.4 | 2262.1 | 2366.0 | 2530.4 | 2590.8 | 2603.9 |
| 62.5° | 173.0 | 207.6 | 406.6 | 614.2 | 1695.6 | 1985.3 | 2089.1 | 2184.3 | 2322.7 | 2366.0 | 2383.3 |
| 65° | 164.4 | 198.9 | 367.6 | 527.7 | 1526.9 | 1803.7 | 1907.5 | 1989.7 | 2102.1 | 2145.3 | 2154.0 |
| 67.5° | 155.7 | 190.3 | 337.4 | 454.2 | 1358.2 | 1622.0 | 1699.8 | 1777.7 | 1864.3 | 1907.5 | 1911.8 |
| 70° | 142.7 | 181.6 | 311.4 | 402.2 | 1185.1 | 1414.4 | 1479.2 | 1561.5 | 1630.6 | 1652.3 | 1665.2 |
| 72.5° | 134.1 | 168.7 | 294.1 | 363.3 | 1007.8 | 1215.5 | 1276.0 | 1323.6 | 1384.1 | 1405.7 | 1405.7 |
| 75° | 121.1 | 151.4 | 276.8 | 324.4 | 826.1 | 994.8 | 1046.8 | 1094.3 | 1141.9 | 1150.5 | 1137.6 |
| 77.5° | 108.1 | 134.1 | 237.9 | 272.5 | 644.5 | 787.2 | 830.4 | 856.4 | 895.4 | 904.0 | 908.3 |
| 80° | 90.8 | 116.8 | 186.0 | 212.0 | 467.2 | 579.6 | 609.9 | 631.5 | 666.1 | 666.1 | 674.8 |
| 82.5° | 69.2 | 90.8 | 134.1 | 151.4 | 315.8 | 398.0 | 423.9 | 436.8 | 458.5 | 458.5 | 458.5 |
| 85° | 43.3 | 56.2 | 86.5 | 99.5 | 190.3 | 242.2 | 259.5 | 263.9 | 281.2 | 285.5 | 285.5 |
| 87.5° | 21.6 | 30.2 | 56.2 | 60.6 | 99.5 | 125.4 | 125.4 | 134.1 | 134.1 | 129.8 | 125.4 |
| 90° | 5.3 | 9.5 | 13.7 | 14.7 | 23.2 | 34.4 | 40.0 | 35.6 | 26.7 | 20.0 | 20.0 |
| 92.5° | 21.0 | 56.8 | 92.7 | 101.6 | 142.9 | 197.9 | 225.4 | 197.6 | 141.9 | 100.1 | 96.1 |
| 95° | 50.6 | 116.1 | 181.7 | 198.1 | 351.7 | 556.6 | 659.0 | 588.1 | 446.2 | 339.8 | 327.7 |
| 97.5° | 87.4 | 145.3 | 203.1 | 217.6 | 473.8 | 815.4 | 986.2 | 941.4 | 851.7 | 784.4 | 761.5 |
| 100° | 115.9 | 168.4 | 220.8 | 233.9 | 518.2 | 897.2 | 1086.8 | 1090.0 | 1096.6 | 1101.6 | 1074.2 |
| 102.5° | 140.2 | 189.1 | 238.0 | 250.2 | 538.5 | 923.1 | 1115.3 | 1172.4 | 1286.6 | 1372.3 | 1348.9 |
| 105° | 181.2 | 222.6 | 264.0 | 274.4 | 553.6 | 926.0 | 1112.1 | 1240.2 | 1496.3 | 1688.4 | 1675.8 |
| 107.5° | 223.4 | 262.0 | 300.7 | 310.3 | 556.5 | 884.8 | 1048.9 | 1227.6 | 1584.9 | 1852.8 | 1855.9 |
| 110° | 251.9 | 286.7 | 321.6 | 330.3 | 552.3 | 848.3 | 996.2 | 1196.0 | 1595.4 | 1894.9 | 1908.1 |



TEST NUMBER: P936969

CATALOG NUMBER: SQ4-FB-050U-125D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 112.5° | 279.7 | 312.9 | 346.2 | 354.5 | 552.4 | 816.3 | 948.3 | 1152.7 | 1561.5 | 1868.1 | 1888.2 |
| 115° | 321.9 | 352.6 | 383.2 | 390.9 | 557.5 | 779.8 | 890.9 | 1087.7 | 1481.5 | 1776.9 | 1804.9 |
| 117.5° | 363.5 | 391.3 | 419.2 | 426.2 | 567.9 | 756.8 | 851.3 | 1029.0 | 1384.4 | 1651.0 | 1681.9 |
| 120° | 387.7 | 414.0 | 440.1 | 446.7 | 576.3 | 749.2 | 835.6 | 997.9 | 1322.6 | 1566.2 | 1596.3 |
| 122.5° | 411.4 | 437.9 | 464.3 | 471.0 | 588.5 | 745.1 | 823.4 | 969.6 | 1262.1 | 1481.4 | 1511.0 |
| 125° | 447.8 | 471.9 | 496.0 | 502.1 | 604.8 | 741.8 | 810.3 | 934.5 | 1182.8 | 1369.2 | 1396.5 |
| 127.5° | 477.3 | 501.7 | 526.0 | 532.1 | 621.1 | 739.8 | 799.2 | 905.8 | 1119.1 | 1279.1 | 1302.2 |
| 130° | 493.1 | 519.4 | 545.5 | 552.1 | 633.0 | 741.0 | 795.0 | 889.9 | 1079.8 | 1222.2 | 1243.5 |
| 132.5° | 509.4 | 535.7 | 561.9 | 568.5 | 642.7 | 741.8 | 791.3 | 876.3 | 1046.3 | 1173.7 | 1192.8 |
| 135° | 533.7 | 557.5 | 581.4 | 587.4 | 653.2 | 741.1 | 784.9 | 856.2 | 998.5 | 1105.3 | 1121.7 |
| 137.5° | 558.4 | 582.1 | 605.8 | 611.7 | 669.1 | 745.7 | 783.9 | 844.1 | 964.5 | 1054.7 | 1068.2 |
| 140° | 578.9 | 600.7 | 622.5 | 627.9 | 678.7 | 746.4 | 780.2 | 832.1 | 936.2 | 1014.1 | 1026.7 |
| 142.5° | 594.8 | 614.9 | 635.1 | 640.1 | 686.8 | 749.1 | 780.2 | 825.8 | 917.2 | 985.7 | 996.5 |
| 145° | 619.0 | 636.5 | 654.1 | 658.5 | 697.4 | 749.1 | 775.0 | 812.3 | 887.0 | 943.0 | 951.2 |
| 147.5° | 643.3 | 660.3 | 677.4 | 681.7 | 712.8 | 754.3 | 775.0 | 804.4 | 863.2 | 907.2 | 914.0 |
| 150° | 659.0 | 674.4 | 689.9 | 693.8 | 720.9 | 756.9 | 775.0 | 799.8 | 849.4 | 886.6 | 892.1 |
| 152.5° | 675.4 | 687.1 | 698.8 | 701.7 | 726.2 | 758.7 | 775.0 | 796.2 | 838.5 | 870.3 | 874.5 |
| 155° | 699.6 | 708.3 | 717.0 | 719.1 | 737.7 | 762.5 | 775.0 | 791.8 | 825.5 | 850.8 | 853.5 |
| 157.5° | 717.6 | 726.0 | 734.3 | 736.5 | 749.3 | 766.5 | 775.0 | 788.1 | 814.3 | 833.9 | 835.9 |
| 160° | 729.7 | 736.2 | 742.8 | 744.4 | 754.6 | 768.2 | 775.0 | 786.2 | 808.6 | 825.5 | 826.6 |
| 162.5° | 741.8 | 746.7 | 751.6 | 752.8 | 760.2 | 770.0 | 775.0 | 784.4 | 803.4 | 817.6 | 818.6 |
| 165° | 755.0 | 759.4 | 763.8 | 764.9 | 768.2 | 772.8 | 775.0 | 781.8 | 795.3 | 805.5 | 806.6 |
| 167.5° | 767.1 | 769.1 | 771.2 | 771.7 | 774.6 | 778.3 | 780.2 | 784.6 | 793.6 | 800.2 | 800.7 |
| 170° | 775.0 | 777.0 | 779.2 | 779.7 | 779.8 | 780.1 | 780.2 | 784.6 | 793.6 | 800.2 | 800.2 |
| 172.5° | 779.2 | 779.6 | 780.1 | 780.2 | 780.2 | 780.2 | 780.2 | 783.7 | 790.7 | 796.0 | 795.6 |
| 175° | 784.9 | 784.9 | 784.9 | 784.9 | 783.3 | 781.2 | 780.2 | 782.4 | 786.9 | 790.2 | 790.2 |
| 177.5° | 784.9 | 784.9 | 784.9 | 784.9 | 783.8 | 782.1 | 781.3 | 783.1 | 786.6 | 789.2 | 788.7 |
| 180° | 784.9 | 784.9 | 784.9 | 784.9 | 784.9 | 784.9 | 784.9 | 784.9 | 784.9 | 784.9 | 784.9 |



TEST NUMBER: P936969

CATALOG NUMBER: SQ4-FB-050U-125D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 1345.2 | 1345.2 |
| 2.5° | 1436.0 | 1427.4 |
| 5° | 1847.0 | 1855.6 |
| 7.5° | 2487.1 | 2482.7 |
| 10° | 3092.6 | 3131.5 |
| 12.5° | 3533.8 | 3542.4 |
| 15° | 3802.0 | 3819.3 |
| 17.5° | 3905.8 | 3910.1 |
| 20° | 3910.1 | 3901.5 |
| 22.5° | 3862.5 | 3853.9 |
| 25° | 3806.3 | 3802.0 |
| 27.5° | 3754.4 | 3758.8 |
| 30° | 3732.8 | 3745.7 |
| 32.5° | 3732.8 | 3754.4 |
| 35° | 3741.4 | 3763.0 |
| 37.5° | 3737.1 | 3763.0 |
| 40° | 3719.8 | 3750.1 |
| 42.5° | 3672.2 | 3693.8 |
| 45° | 3598.7 | 3624.7 |
| 47.5° | 3503.5 | 3520.8 |
| 50° | 3382.4 | 3399.7 |
| 52.5° | 3231.0 | 3235.4 |
| 55° | 3049.4 | 3066.7 |
| 57.5° | 2854.7 | 2859.1 |
| 60° | 2638.5 | 2651.4 |
| 62.5° | 2409.2 | 2409.2 |
| 65° | 2167.0 | 2175.7 |
| 67.5° | 1916.1 | 1937.8 |
| 70° | 1661.0 | 1665.2 |
| 72.5° | 1410.1 | 1410.1 |
| 75° | 1150.5 | 1154.9 |
| 77.5° | 904.0 | 904.0 |
| 80° | 670.4 | 674.8 |
| 82.5° | 462.8 | 471.5 |
| 85° | 289.8 | 289.8 |
| 87.5° | 134.1 | 121.1 |
| 90° | 20.0 | 20.0 |
| 92.5° | 80.2 | 64.2 |
| 95° | 279.5 | 231.2 |
| 97.5° | 669.7 | 577.9 |
| 100° | 964.9 | 855.6 |
| 102.5° | 1255.3 | 1161.6 |
| 105° | 1625.5 | 1575.2 |
| 107.5° | 1868.0 | 1880.2 |
| 110° | 1960.5 | 2012.9 |



TEST NUMBER: P936969

CATALOG NUMBER: SQ4-FB-050U-125D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 1968.8 | 2049.3 |
| 115° | 1916.6 | 2028.3 |
| 117.5° | 1805.8 | 1929.7 |
| 120° | 1716.7 | 1837.0 |
| 122.5° | 1629.8 | 1748.5 |
| 125° | 1505.8 | 1615.2 |
| 127.5° | 1394.4 | 1486.7 |
| 130° | 1328.8 | 1414.0 |
| 132.5° | 1269.1 | 1345.5 |
| 135° | 1187.5 | 1253.3 |
| 137.5° | 1122.0 | 1175.8 |
| 140° | 1077.0 | 1127.4 |
| 142.5° | 1039.9 | 1083.1 |
| 145° | 984.0 | 1016.8 |
| 147.5° | 941.1 | 968.3 |
| 150° | 914.1 | 936.2 |
| 152.5° | 891.1 | 907.7 |
| 155° | 864.6 | 875.6 |
| 157.5° | 843.6 | 851.3 |
| 160° | 831.1 | 835.6 |
| 162.5° | 822.9 | 827.1 |
| 165° | 811.1 | 815.5 |
| 167.5° | 802.6 | 804.5 |
| 170° | 800.2 | 800.2 |
| 172.5° | 794.0 | 792.4 |
| 175° | 790.2 | 790.2 |
| 177.5° | 786.8 | 784.9 |
| 180° | 784.9 | 784.9 |



TEST NUMBER: P936969
 CATALOG NUMBER: SQ4-FB-050U-125D-935-1D-UNV-STD-W-12

CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 7.39 | 8.49 | 8.18 | 9.30 | 10.30 | 20.58 | 21.68 | 21.37 | 22.49 | 23.49 |
| | 3H | 8.11 | 9.10 | 8.91 | 9.93 | 10.95 | 22.44 | 23.43 | 23.24 | 24.26 | 25.29 |
| | 4H | 8.42 | 9.36 | 9.24 | 10.19 | 11.23 | 23.10 | 24.04 | 23.92 | 24.87 | 25.91 |
| | 6H | 8.68 | 9.55 | 9.51 | 10.39 | 11.44 | 23.55 | 24.42 | 24.38 | 25.26 | 26.31 |
| | 8H | 8.76 | 9.58 | 9.60 | 10.44 | 11.50 | 23.68 | 24.51 | 24.52 | 25.37 | 26.42 |
| | 12H | 8.78 | 9.57 | 9.63 | 10.43 | 11.51 | 23.76 | 24.55 | 24.60 | 25.40 | 26.48 |
| 4H | 2H | 14.64 | 15.58 | 15.46 | 16.41 | 17.45 | 20.88 | 21.82 | 21.70 | 22.65 | 23.69 |
| | 3H | 16.23 | 17.02 | 17.06 | 17.88 | 18.94 | 22.96 | 23.74 | 23.79 | 24.61 | 25.66 |
| | 4H | 16.33 | 17.05 | 17.18 | 17.91 | 19.00 | 23.74 | 24.45 | 24.58 | 25.32 | 26.40 |
| | 6H | 16.36 | 16.98 | 17.22 | 17.87 | 18.95 | 24.29 | 24.92 | 25.16 | 25.80 | 26.89 |
| | 8H | 16.34 | 16.92 | 17.21 | 17.81 | 18.91 | 24.47 | 25.05 | 25.33 | 25.93 | 27.03 |
| | 12H | 16.31 | 16.84 | 17.20 | 17.74 | 18.84 | 24.57 | 25.10 | 25.46 | 26.00 | 27.11 |
| 8H | 4H | 17.80 | 18.38 | 18.67 | 19.27 | 20.37 | 23.82 | 24.40 | 24.68 | 25.28 | 26.38 |
| | 6H | 18.06 | 18.54 | 18.95 | 19.46 | 20.56 | 24.46 | 24.95 | 25.36 | 25.87 | 26.97 |
| | 8H | 18.08 | 18.51 | 18.98 | 19.42 | 20.54 | 24.69 | 25.12 | 25.59 | 26.03 | 27.15 |
| | 12H | 18.06 | 18.44 | 18.97 | 19.35 | 20.51 | 24.85 | 25.23 | 25.76 | 26.14 | 27.30 |
| 12H | 4H | 17.96 | 18.49 | 18.85 | 19.39 | 20.49 | 23.78 | 24.31 | 24.67 | 25.21 | 26.31 |
| | 6H | 18.32 | 18.75 | 19.22 | 19.67 | 20.78 | 24.45 | 24.88 | 25.35 | 25.80 | 26.91 |
| | 8H | 18.40 | 18.78 | 19.31 | 19.69 | 20.86 | 24.69 | 25.07 | 25.60 | 25.98 | 27.15 |